

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
30 October 2003 (30.10.2003)

PCT

(10) International Publication Number
WO 2003/089600 A3

(51) International Patent Classification⁷: **C12N 15/63**,
15/85, 15/87, 11/00, 11/16, C12Q 1/68

(21) International Application Number:
PCT/US2003/011921

(22) International Filing Date: 16 April 2003 (16.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/123,435 16 April 2002 (16.04.2002) US

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
8 July 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SURFACE TRANSFECTION AND EXPRESSION PROCEDURE

(57) Abstract: The present invention relates to a method of transfecting cells comprising applying cells directly onto nucleic acids which are immobilized in transfection complexes on a surface and which transfect the cells. Preferably, the nucleic acids are immobilized in an array. In another aspect of the present invention, the method further includes expression of the nucleic acids in the transfected cells. In yet another aspect of the present invention, the method further comprises detecting the expression of the nucleic acids in the transfected cells.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/11921

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12N 15/63, 15/85, 15/87, 11/00, 11/16; C12Q 1/68
US CL : 435/455, 320.1, 6, 174

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/455, 320.1, 6, 174

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/0006664 A1 (SABATINI, D.M.) 17 January 2002, pages 1-3, 11 and 14.	1-10, 13-14, 16-18
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Y		11-12, 15
Y	US 5,736,392 A (HAWLEY-NELSON et al) 07 April 1998, columns 3-5, particularly col. 8, lines 7-17.	11-12 and 15
X, P	US 6,544,790 B1 (SABATINI, D.M.) 08 April 2003, columns 1-6.	1-10, 13-14
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Y,P		11-13 and 15

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

21 January 2004 (21.01.2004)

Date of mailing of the international search report

01 JUN 2004

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INTERNATIONAL SEARCH REPORT

PCT/US03/11921

Continuation of B. FIELDS SEARCHED Item 3:

APS, DIALOG, MEDLINE, EMBASE, BIOSIS

Search terms: reverse transfection, immobilized, affixed, deposited, spotted, DNA, nucleic acid, array, microarray, surface, plate, slide, reporter, transcriptional regulatory.